

A photograph of four healthcare professionals (three women and one man) in white lab coats, smiling and standing in a row. The image is overlaid with a semi-transparent blue and orange geometric design on the right side.

# Access to Care in Rural NC

LRC Committee on Access to Healthcare in Rural NC / January 8, 2018

Chip Baggett / SVP & Associate General Counsel

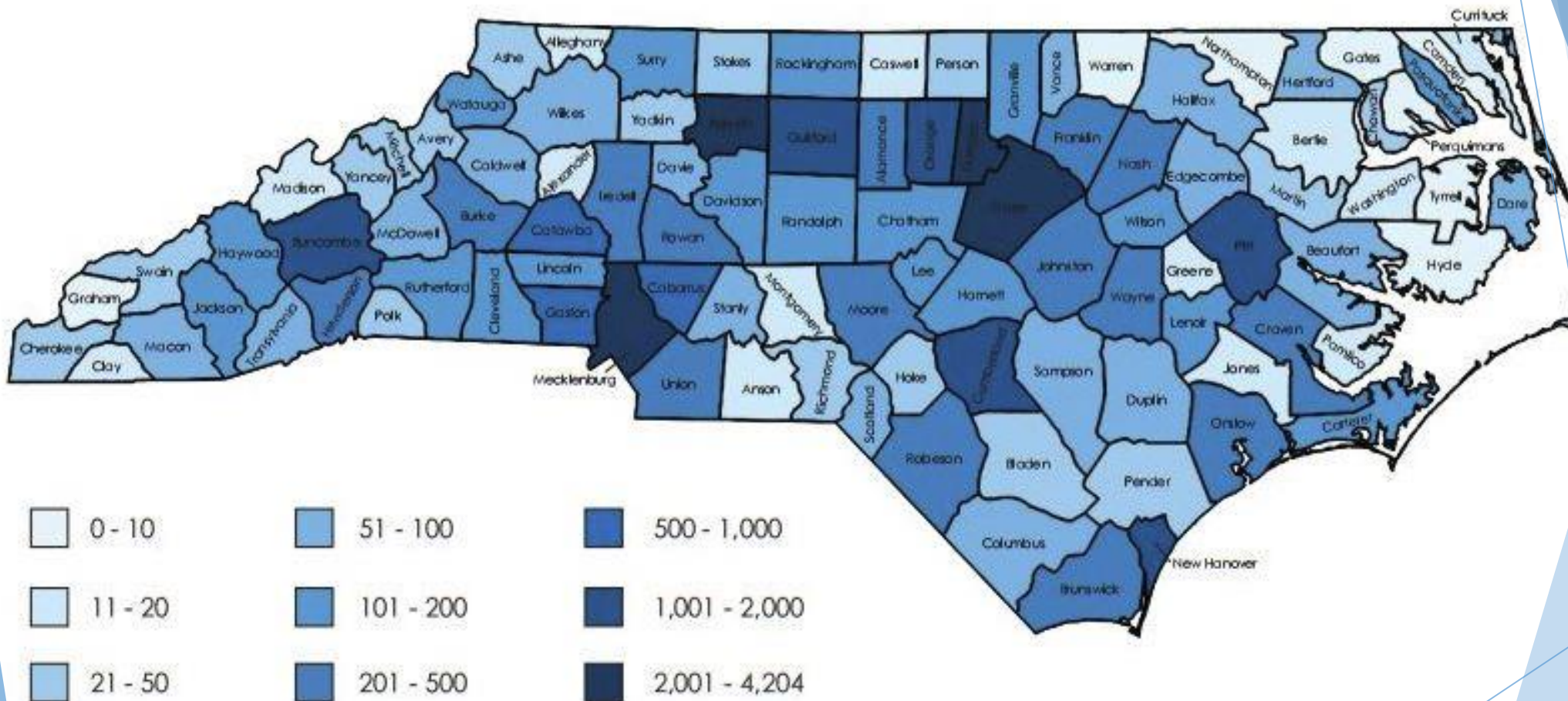
North Carolina



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# NC Physicians and Physician Assistants

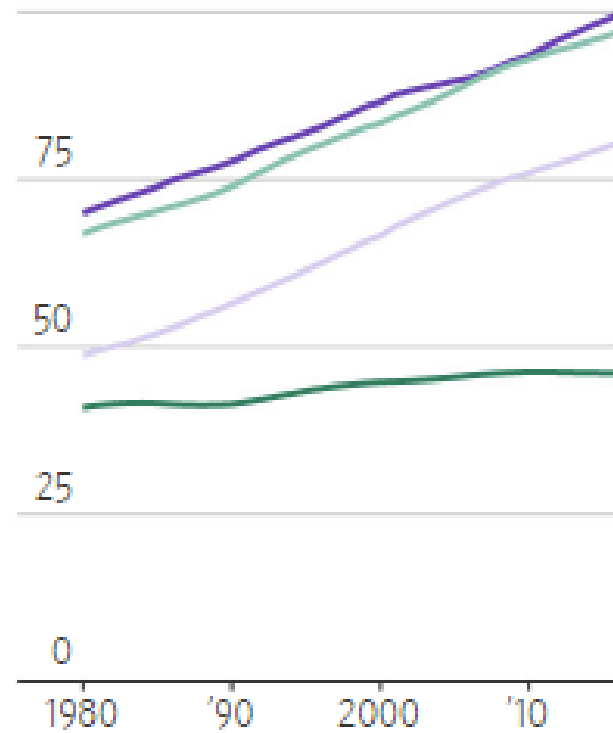


# Committee Questions

- ▶ The current state of the rural physician shortage in NC.
- ▶ Members stories of the state of rural healthcare.
- ▶ The disparity between rural health care outcomes and urban/suburban health care outcomes.
- ▶ How physicians are dealing with increased financial pressure in the rural areas of our state.
- ▶ How graduate medical education(GME) is influencing care in rural areas.

## Total U.S. population

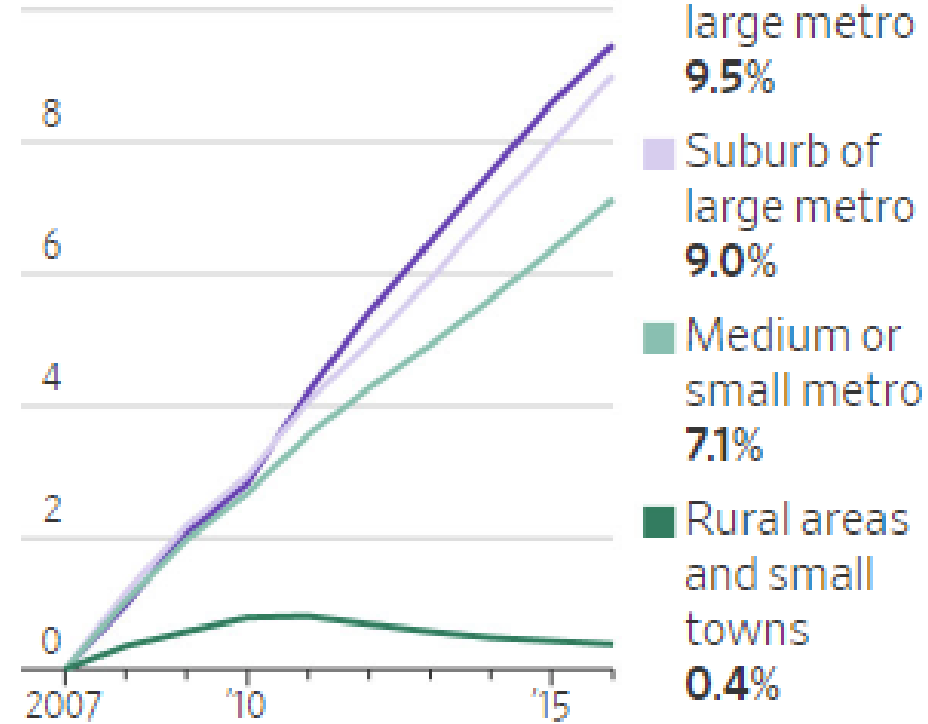
100 million



Source: Census Bureau

## Change in population since 2007

10%



Source: Census Bureau

Published: WSJ.com 12/29/17





North Carolina



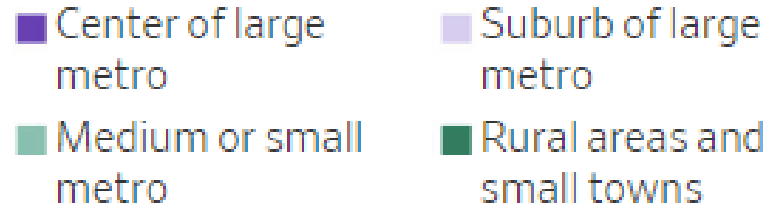
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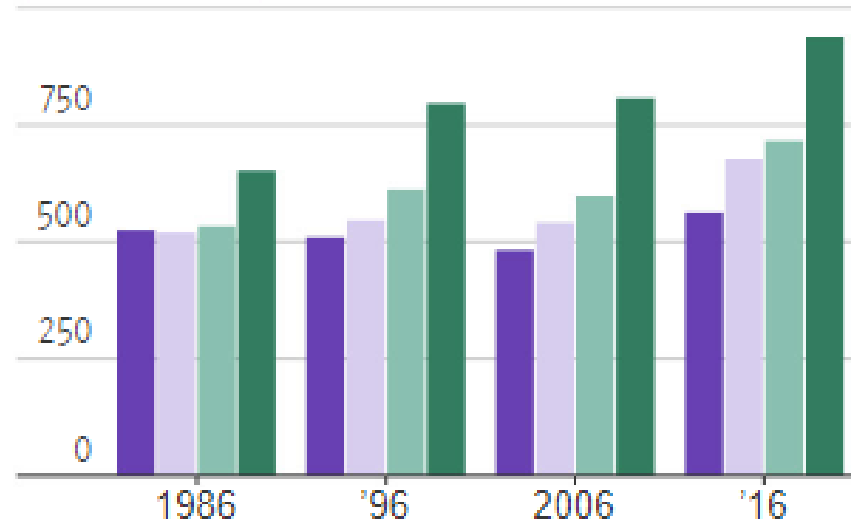
Photo by Al Hull posted  
to [www.city-data.com](http://www.city-data.com)  
12/18/2009



### Deaths per 1,000 births



1,000 deaths per 1,000 births



Source: Census Bureau

In the 1990s, a few rural areas began to record more deaths than births. Then the deep recession of 2007-2009 lowered U.S. birthrates and slowed migration and immigration. Collectively, all of rural America now faces the grim prospect of natural decrease, meaning more deaths than births over time.

Published: WSJ.com 12/29/17

### Male labor force participation rate, age 16 and older

75%

70

65

60

55

50

1980

\*Data coll

Source: C

Men in rural areas are working less.  
They are typically older and less  
educated than their urban

### Disabled workers, age 15 to 64

75 per 1,000

### Small bank loans, change since 2005, adjusted for inflation

50

25

0

2000

0

Source: Soc

Rates of disability among small-town  
workers have long been higher, partly

One cause is the lack of capital for  
new or small businesses. Adjusted for  
inflation, loans by banks of less than  
\$1 million have decreased in rural

### Diabetes per 1,000 people

100 cases per 1,000 population

75

50

25

0

2004

2013

Center of large metro

Suburb of large metro

Medium or small metro

Rural areas and small towns

Source: National Center for Health Statistics

Diabetes rates indicate an ominous  
long-term problem for rural areas.  
They are higher than in urban areas  
and rising faster.

Published: WSJ.com 12/29/17

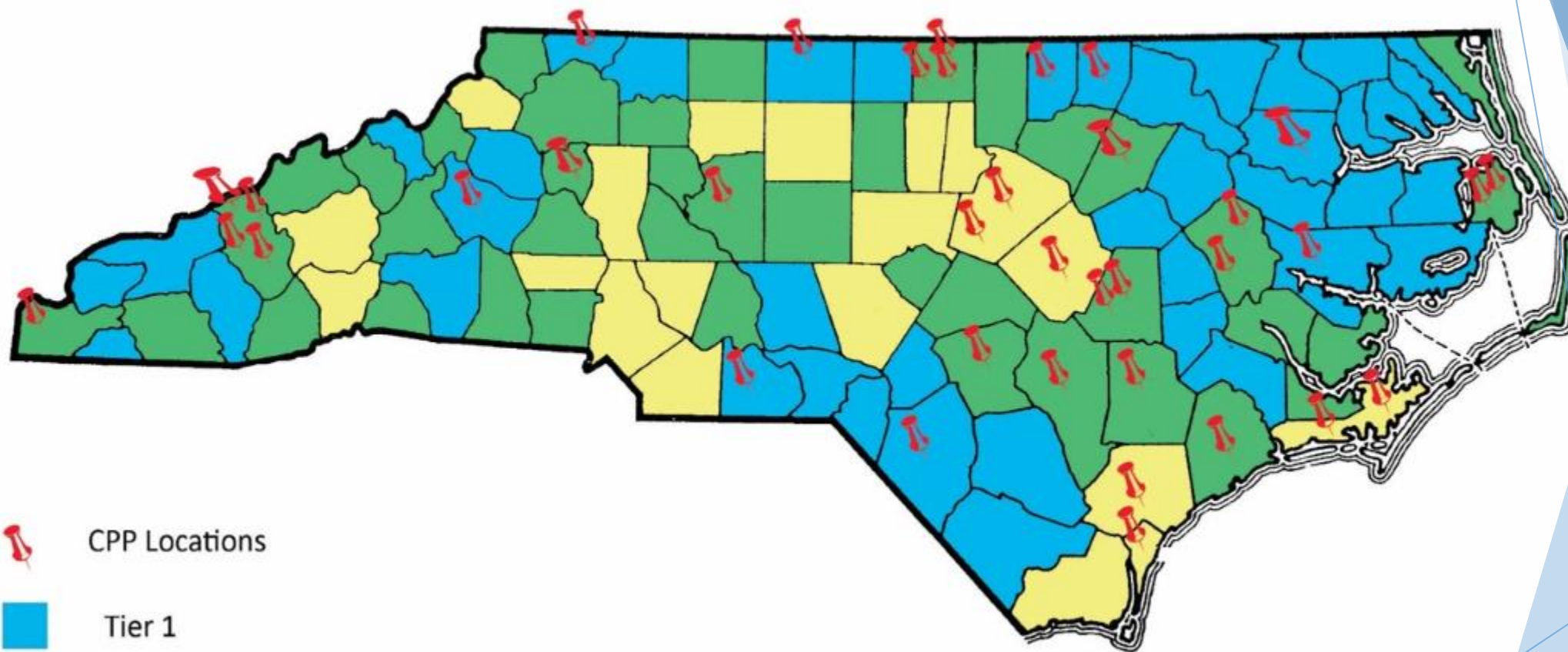


# NC Population Health Collaborative





# NCMS Community Practitioner Program



 CPP Locations

 Tier 1

 Tier 2

 Tier 3

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Family Practice	\$7,869,446
Physician Assistant	\$2,757,204
Pediatrics	\$2,290,966
RN, NP, CNM	\$421,915
OB/GYN	\$265,201
Psychiatry	\$157,150
General Surgery	\$70,000
Other	\$714,073
<b>Total</b>	<b>\$14,545,955</b>

# VITAL SIGNS: THE ECONOMIC IMPACT OF PHYSICIANS IN NORTH CAROLINA<sup>1</sup>

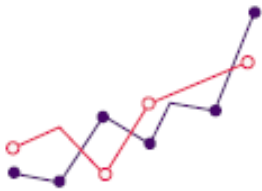


## Jobs

**265,900**

Direct jobs .....	100,601
Indirect jobs .....	165,299

**Average jobs** supported by each physician..... **12.7**



## Economic activity

**\$44.9 billion**

Direct economic output .....	\$22.0 billion
Indirect economic output .....	\$22.9 billion
Percent of total GSP/GDP <sup>2</sup> .....	9.0%

**Average economic output** generated by each physician..... **\$2.1 million**



## Wages and benefits

**\$20.5 billion**

Direct wages and benefits .....	\$13.2 billion
Indirect wages and benefits .....	\$7.2 billion

**Average wages and benefits** supported by each physician..... **\$981,312**



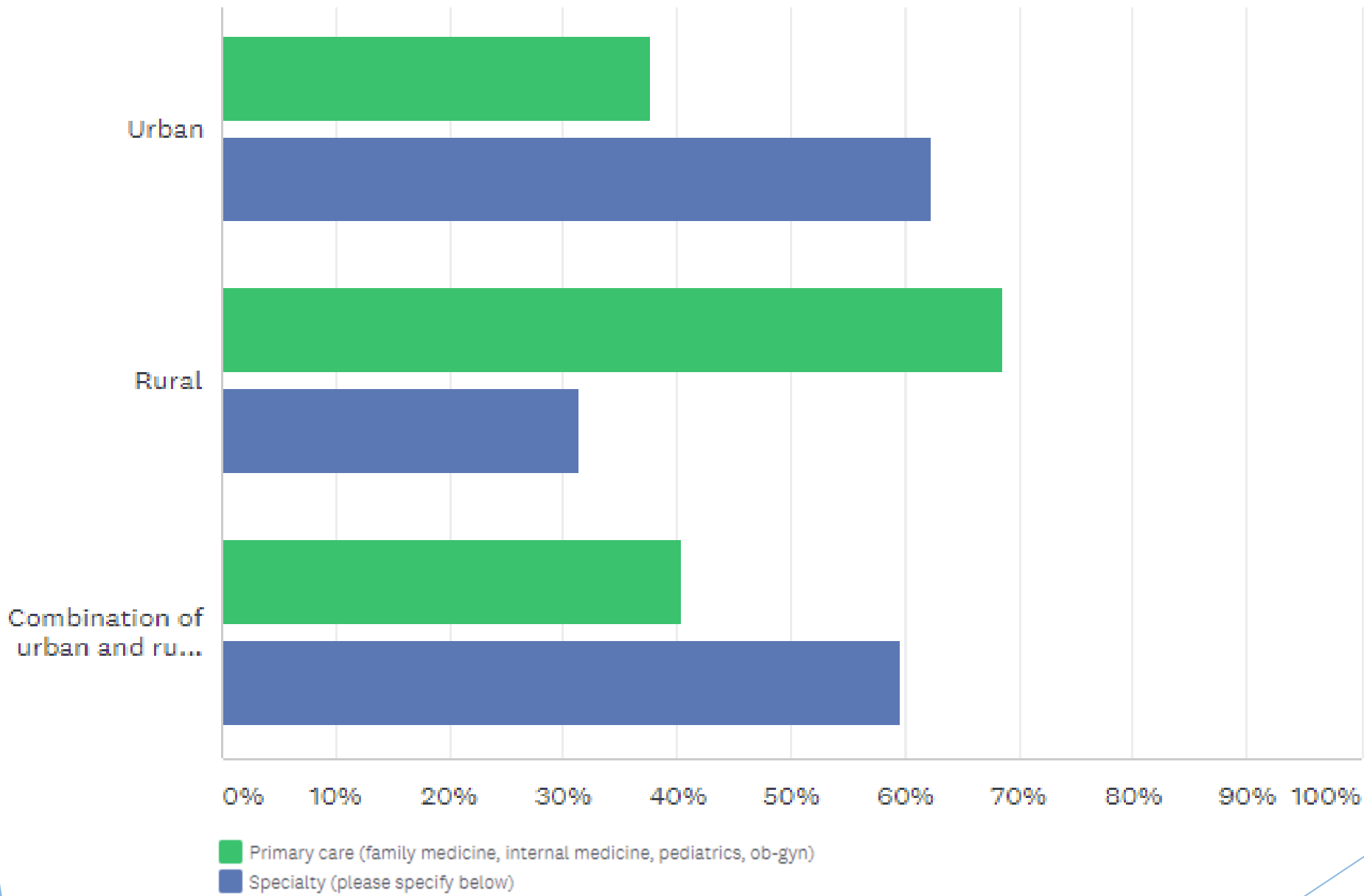
## State and local tax revenue

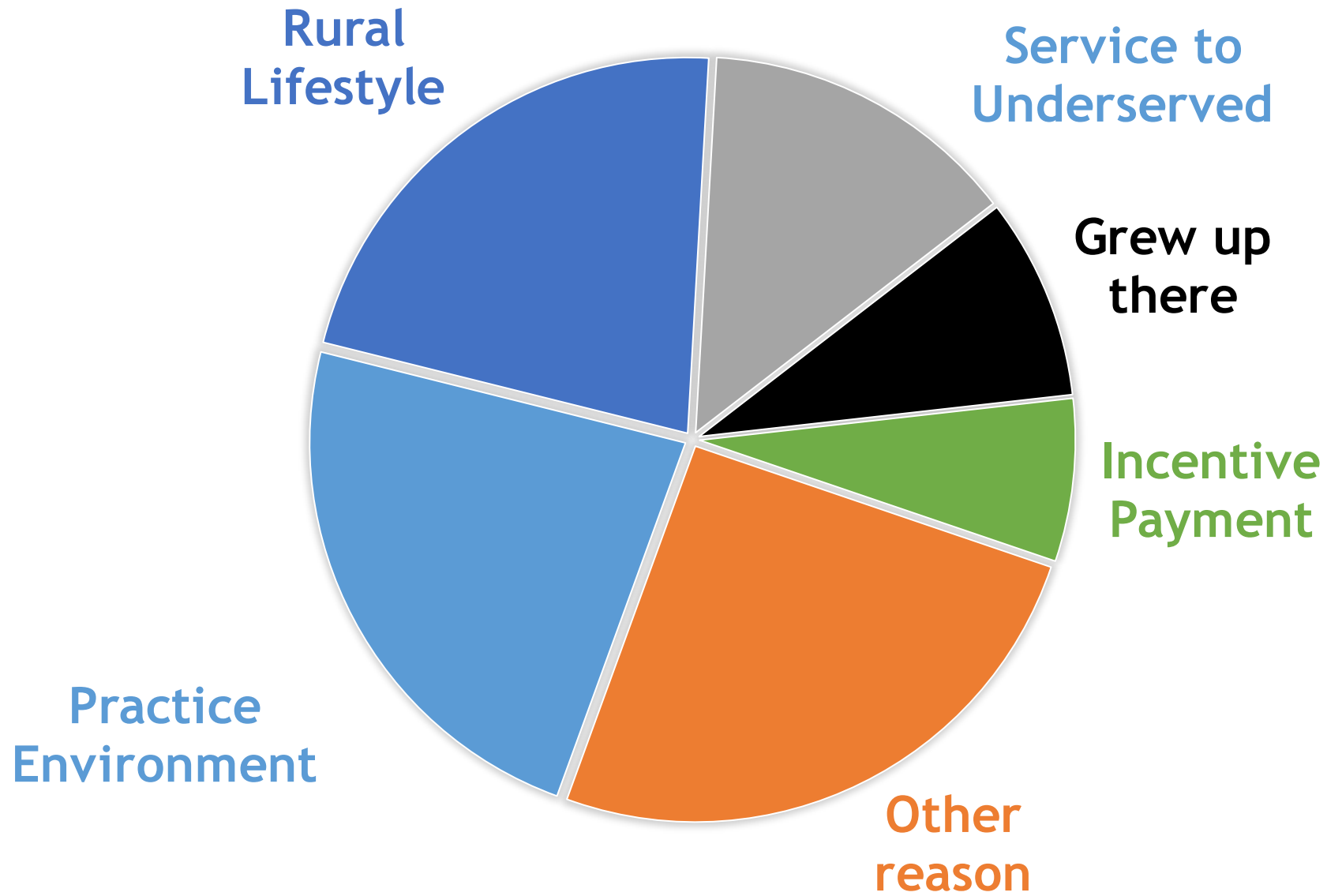
**\$1.7 billion**

**Average state and local tax revenue** generated by each physician..... **\$83,044**













# Incentives



# Rural Residencies



# Telemedicine

# Other Rural Healthcare Infrastructure

Patient  
Transportation

Appealing  
Community  
Development

Reduced  
Admin Burdens

Practice  
Assistance

Insurance  
options





Photo by Charles Harris  
published in OUR STATE  
MAGAZINE January 2018

# Questions ?

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